

# Morbidity and Mortality

Weekly  
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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## Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 12, 1957

Since July 1, the beginning of the diphtheria disease year, 310 cases have been reported as compared with 264 cases for the same period last year. This represents an increase of 17.4 percent. States showing a marked increase in incidence are South Carolina, Washington, Mississippi, Arkansas, Nebraska, and Montana. In South Carolina an outbreak in recent weeks in Dorchester County has accounted for 33 cases. In Washington an outbreak occurred in a State institution in July, in which 22 patients and staff members contracted diphtheria. In Mississippi there has been a concentration of cases (11) in Pontotoc County. In Arkansas the highest incidence was in the northeastern counties. Two rural counties—Logan and Thayer—have accounted for over half of the Nebraska cases. Five of the 6 cases of diphtheria in Montana have occurred in Rosebud County.

### EPIDEMIOLOGICAL REPORTS

#### Influenza

Influenza and influenza-like disease continues to increase in many parts of the country. The number of cases for the week ended October 12 is estimated to have been not less than 360,000, and the cumulative total not less than 1,437,000. Some States report only absenteeism in schools or other populations, some report the absenteeism rates, and others depend on case reports by physicians; consequently, the validity of any estimate is open to question.

The reports do indicate that an increasing number of schools in Maine, Vermont, Massachusetts, Connecticut, New York, New Jersey, Ohio, Michigan, Maryland, Virginia, and

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: Continental United States

(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	41st WEEK			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended Oct. 12, 1957	Ended Oct. 13, 1956	Median 1952-56	First 41 weeks			Since seasonal low week			
				1957	1956	Median 1952-56	1956-57	1955-56	Median 1951-52 to 1955-56	
Anthrax-----062	-	-	-	16	34	24	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	11	5	8	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	27	24	25	783	848	1,349	(1)	(1)	(1)	(1)
Diphtheria-----055	25	32	67	774	1,090	1,409	310	264	542	July 1
Encephalitis, infectious-----082	44	155	55	1,486	1,751	1,555	926	1,122	962	June 1
Hepatitis, infectious, and serum-----092,N998.5 pt.	202	295	408	12,393	15,720	25,547	1,383	1,641	2,785	Sept. 1
Malaria-----110-117	3	8	19	129	203	582	(1)	(1)	(1)	(1)
Measles-----085	1,109	1,018	961	455,204	582,130	582,130	5,550	5,428	4,560	Sept. 1
Meningococcal infections-----057	51	34	56	1,917	2,175	3,408	232	210	299	Sept. 1
Meningitis, other-----340	41	20	---	1,898	1,218	---	---	---	---	---
Polio myelitis-----080	169	400	1,287	5,31	13,148	29,564	4,705	12,081	27,672	Apr. 1
Paralytic-----080.0,080.1	88	161	---	1,67	5,636	---	1,493	5,053	---	Apr. 1
Nonparalytic-----080.2	64	170	---	2,626	5,150	---	2,463	4,865	---	Apr. 1
Unspecified-----080.3	17	69	---	858	2,362	---	749	2,163	---	Apr. 1
Psittacosis-----096.2	1	16	3	206	430	216	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	4	7	7	(1)	(1)	(1)	(1)
Typhoid fever-----040	48	30	42	1,085	1,495	1,828	828	1,183	1,426	Apr. 1
Typhus fever, endemic-----101	2	2	2	102	88	142	77	69	112	Apr. 1
Rabies in animals-----	59	57	101	3,537	3,884	5,650	134	132	217	Oct. 1

<sup>1</sup>Data show no pronounced seasonal change in incidence.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

## EPIDEMIOLOGICAL REPORTS—Continued

California had high absenteeism rates during the past week. Colorado reports that school and institutional outbreaks have terminated, but family and community outbreaks have "picked up." In California, epidemics of respiratory disease with high attack rates began in secondary schools and colleges, but at the present time, they are most frequent in elementary schools scattered over the State. The attack rates in the latter have been lower and incidence in the general population has been relatively low but has been increasing.

Reports of cases by physicians to health authorities increased in Michigan, Iowa, Kentucky, and Tennessee. In South Carolina, many cases were being reported from several parts of the State, and in some instances, whole families were ill with influenza-like disease. Mississippi reports that the disease is now occurring in all parts of the State. A high incidence was also reported in Arizona, Alabama, Texas, Virginia, and North Carolina.

In the past one of the measures of the effect of influenza has been an excess of mortality not only from influenza and pneumonia but also from other causes. Deaths in the latter group probably occur most often in persons with chronic diseases and in elderly or debilitated persons who are unable to survive an attack of influenza or influenza and pneumonia. Prior to the past week or two the current epidemic appeared to have little effect on mortality in the United States.

The total number of deaths for all causes reported for the week ended October 12 in 112 cities increased about 10 percent as compared with the previous week (see pages 6 and 7). The number of deaths from influenza and pneumonia in these cities increased from 337 to 499 or 48 percent. Some of the large cities that reported increases for all causes were Buffalo, Newark, New York City, Detroit, and Chicago. Cities having increases in influenza and pneumonia deaths included New York City, Philadelphia, Detroit, and Chicago. About one-third of the increase in total deaths in New York City and Chicago could be accounted for by the increase in deaths from influenza and pneumonia. Dr. Morris Greenberg, New York City Department of Health, reported that about 25 deaths have been investigated by the medical examiner in which death occurred within 24 hours after the onset of an acute respiratory disease. Viruses, not yet typed, have been isolated from the lungs of a few of these cases, and results of laboratory work on the others is pending. A few deaths were reported elsewhere: 3 in California, 1 in New Jersey. Virginia reported 2 cases of pneumonia in 1 county, and Oregon had reports of 51 cases of pneumonia for the week.

The presence of illness caused by the Asian strain of type A influenza virus has been confirmed in all sections of the country, although not every State has reported isolations of virus or serologic confirmation. Seven States have obtained confirmation of cases or epidemics by virus isolation only, 14 by serologic tests only, 23 including the District of Columbia by both, and 5 have had no confirmations. Some

States, such as Connecticut, New York, Pennsylvania, Ohio, Minnesota, Missouri, Maryland, North Carolina, Florida, Kentucky, Louisiana, Oklahoma, Texas, Washington, Oregon, and California, have been able to confirm a relatively large number of cases or epidemics by one or both tests.

The health authorities of the Virgin Islands state that there has been a significant decrease in the number of cases. Laboratory confirmation of two cases of Asian type of infection has been obtained. In Puerto Rico incidence of influenza continues to decrease. There were 149 deaths from pneumonia in September as compared with 95 last year. In Alaska 1,700 cases of influenza-like disease have been reported in the Fairbanks schools.

Salmonellosis

Dr. C. B. Tucker, Tennessee Department of Public Health, has reported an outbreak of salmonellosis in a private home. Homemade ice cream and oatmeal cookies were served to 19 persons at a gathering in this home. From 12 to 18 hours later all became ill, and 6 persons received medical treatment. A sample of the ice cream submitted for laboratory examination was positive for Salmonella pullorum. The source of contamination was not determined.

Gastro-enteritis

Correction.—The investigation of 8 cases of gastro-enteritis on Long Island was made and reported by Dr. David E. Overton, District Health Officer for the State of New York, instead of as stated in this report for the week ended September 28.

Dr. D. S. Fleming, Minnesota State Department of Health, has reported an outbreak of gastro-enteritis among 200 persons who attended a communion breakfast. Of these, 40 became ill with nausea, vomiting, abdominal cramps, and some diarrhea from 3 to 6 hours later. The menu consisted of orange juice, cold baked ham, sweet rolls, butter, coffee, and milk. The ham had been baked the previous day, sliced, and kept unrefrigerated until time of service. Bacteriologic examination of the ham revealed several organisms including Staphylococcus aureus.

The California Department of Public Health has reported 2 outbreaks of gastro-enteritis among Mexican nationals in labor camps. In one, 90 of 137 persons became ill with abdominal cramps and diarrhea from 3 to 6 hours after an evening meal. This meal consisted of boiled pigs feet, boiled pinto beans, fried beans, and corn tortillas. No specimens were collected for laboratory examination. In the other camp all of the 36 laborers became ill from 4 to 6 hours after eating an evening meal. Several days later 5 of the group became ill, also after eating an evening meal. No food was available for laboratory tests, but poor food-handling practices allowed ample opportunity for contamination. The investigation revealed inadequate refrigeration facilities, faulty sewage disposal, lack of protection against flies, and an unsatisfactory water supply.

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**Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 13, 1956 AND OCTOBER 12, 1957**

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER)		DIPHTHERIA 055				ENCEPHALITIS, INFECTIOUS		HEPATITIS, INFECTIOUS, AND SERUM 092,N998.5 pt.			
	044		41st week		Cumulative first 41 weeks		082		41st week		Cumulative first 41 weeks	
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	27	24	25	32	774	1,090	44	155	202	295	12,393	15,720
NEW ENGLAND-----					21	12		4	18	17	694	1,022
Maine-----					3				5	8	221	247
New Hampshire-----						1				1	8	31
Vermont-----										4	88	145
Massachusetts-----					18	11		3	8	3	206	259
Rhode Island-----								1	2		64	123
Connecticut-----									3	1	107	217
MIDDLE ATLANTIC-----	1		4		64	51	9	8	33	70	1,994	3,365
New York-----					32	18	9	7	20	45	1,232	1,769
New Jersey-----					10	14		1	4	12	244	313
Pennsylvania-----	1		4		22	19			9	13	518	1,283
EAST NORTH CENTRAL-----	12	1	1	6	43	186	11	4	28	61	2,089	2,350
Ohio-----					12	14	2	2	5	5	529	580
Indiana-----			1		11	88	1	2	4	8	295	331
Illinois-----	11	1			3	8	3		9	6	477	518
Michigan-----	1			6	15	74	1		6	36	561	653
Wisconsin-----					2	2	4		4	6	227	268
WEST NORTH CENTRAL-----	6	14	2		57	96	6	19	6	15	711	1,304
Minnesota-----	2	4	2		24	26			2	5	255	418
Iowa-----	2	8			7	17			3	2	168	333
Missouri-----					1	11	1			2	115	82
North Dakota-----	1				3	5	2			3	90	109
South Dakota-----		1			6	7		2		1	34	161
Nebraska-----					10	26		1		1	24	91
Kansas-----	1	1			6	4	3	16	1	1	25	110
SOUTH ATLANTIC-----	3	3	7	12	251	261	2	6	19	21	946	1,027
Delaware-----											8	30
Maryland-----			1	1	3	2			1	2	87	81
District of Columbia-----						1		1			10	19
Virginia-----	1	2			12	26		1	5	9	370	407
West Virginia-----				1	5	7			3		84	56
North Carolina-----	2		1	2	30	39	1	3	4	1	91	111
South Carolina-----				4	75	60			1		28	57
Georgia-----		1	5	2	60	63		1	5	4	106	132
Florida-----				2	66	63	1			5	162	134
EAST SOUTH CENTRAL-----	3	1	3	6	120	145	3	91	19	26	1,606	1,377
Kentucky-----					14	10	1	88	12	6	681	426
Tennessee-----	1	1			11	20		1	3	16	597	577
Alabama-----	2			6	51	74	1	2	4	2	215	179
Mississippi-----			3		44	41	1			2	113	195
WEST SOUTH CENTRAL-----		4	7	7	157	261	2	13	17	11	966	1,145
Arkansas-----		2	4		24	20				2	68	112
Louisiana-----			1		15	28					50	113
Oklahoma-----		1	1		19	58	1	1	1	1	112	89
Texas-----		1	1	7	99	155	1	12	16	8	736	831
MOUNTAIN-----				1	27	27		1	19	17	1,056	1,379
Montana-----					9	3			6	3	152	344
Idaho-----					1	1		1		4	84	180
Wyoming-----				1	1	7				2	48	87
Colorado-----					2	3			4	2	166	312
New Mexico-----					9	5			2	3	336	117
Arizona-----					4	5			4	2	191	266
Utah-----					1	3			1		49	67
Nevada-----									2	1	30	6
PACIFIC-----	2	1	1		34	51	11	9	43	57	2,331	2,751
Washington-----					23	10			5	7	321	556
Oregon-----			1		3	11			9	18	442	544
California-----	2	1			8	30	11	9	29	32	1,568	1,651
Alaska-----						35			6		77	72
Hawaii-----									4		52	51
Puerto Rico-----			1	5	43	62			4		145	202

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 13, 1956 AND OCTOBER 12, 1957—Continued  
(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	POLIOMYELITIS 080								MALARIA		MEASLES	
	Total <sup>1</sup>				Paralytic		Nonparalytic		110-117		085	
	41st week		Cumulative first 41 weeks		080.0,080.1		080.2					
	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
CONT. UNITED STATES-----	169	400	5,231	13,148	88	161	64	170	3	8	1,109	1,018
NEW ENGLAND-----	4	7	75	229	2	5	-	1	-	-	73	25
Maine-----	-	1	6	21	-	1	-	-	-	-	23	10
New Hampshire-----	-	-	4	3	-	-	-	-	-	-	6	-
Vermont-----	-	1	5	21	-	1	-	-	-	-	5	-
Massachusetts-----	1	3	23	101	1	2	-	1	-	-	35	10
Rhode Island-----	-	-	-	9	-	-	-	-	-	-	-	-
Connecticut-----	3	2	37	74	1	1	-	-	-	-	4	5
MIDDLE ATLANTIC-----	14	49	309	1,030	5	13	5	16	-	-	166	217
New York-----	12	30	191	676	4	12	5	13	-	-	87	104
New Jersey-----	1	5	74	196	1	1	-	3	-	-	26	43
Pennsylvania-----	1	14	44	158	-	-	-	-	-	-	53	70
EAST NORTH CENTRAL-----	56	95	1,380	3,637	24	46	28	32	-	-	217	152
Ohio-----	6	17	231	537	3	5	1	5	-	-	27	11
Indiana-----	3	6	154	320	3	2	-	3	-	-	11	18
Illinois-----	22	14	324	1,735	10	6	10	5	-	-	43	24
Michigan-----	23	26	465	579	7	16	16	9	-	-	28	51
Wisconsin-----	2	32	206	466	1	17	1	10	-	-	108	48
WEST NORTH CENTRAL-----	5	37	423	1,542	4	11	1	15	-	-	54	71
Minnesota-----	1	4	49	187	1	2	-	2	-	-	29	9
Iowa-----	1	9	80	595	1	-	-	5	-	-	15	28
Missouri-----	2	7	111	368	2	1	-	2	-	-	2	19
North Dakota-----	-	-	11	30	-	-	-	-	-	-	8	10
South Dakota-----	-	-	38	30	-	-	-	-	-	-	-	2
Nebraska-----	1	8	75	157	-	4	1	3	-	-	-	3
Kansas-----	-	9	59	175	-	4	-	3	-	-	-	-
SOUTH ATLANTIC-----	27	50	734	1,257	17	22	9	25	-	1	91	73
Delaware-----	1	1	5	26	1	-	-	1	-	-	1	-
Maryland-----	2	6	16	82	2	6	-	-	-	-	15	4
District of Columbia-----	1	-	97	9	1	-	-	-	-	-	2	-
Virginia-----	5	5	57	199	3	5	2	-	-	-	11	13
West Virginia-----	1	4	42	100	1	-	-	4	-	-	14	17
North Carolina-----	8	13	204	264	4	7	4	5	-	-	4	2
South Carolina-----	5	1	122	97	3	-	1	-	-	-	21	10
Georgia-----	1	-	70	175	1	-	-	-	-	-	7	10
Florida-----	3	20	121	305	1	4	2	15	-	1	16	17
EAST SOUTH CENTRAL-----	13	27	362	573	5	11	4	6	-	-	48	236
Kentucky-----	4	1	94	152	3	1	1	-	-	-	22	62
Tennessee-----	4	6	132	112	2	5	2	1	-	-	21	112
Alabama-----	4	7	44	71	-	-	-	-	-	-	5	58
Mississippi-----	1	13	92	238	-	5	1	5	-	-	-	4
WEST SOUTH CENTRAL-----	22	49	1,017	2,080	14	24	7	22	1	4	109	104
Arkansas-----	1	6	63	168	-	4	1	2	-	4	-	11
Louisiana-----	5	17	166	571	5	9	-	8	1	-	1	6
Oklahoma-----	2	5	117	188	1	-	-	2	-	-	6	5
Texas-----	14	21	671	1,153	8	11	6	10	-	-	102	82
MOUNTAIN-----	8	13	223	666	5	5	2	6	-	1	176	60
Montana-----	2	2	12	36	1	1	1	1	-	-	87	6
Idaho-----	-	2	25	95	-	1	-	1	-	-	8	5
Wyoming-----	-	3	13	29	-	1	-	1	-	-	1	-
Colorado-----	1	4	41	124	1	2	-	2	-	-	12	5
New Mexico-----	2	1	47	65	1	-	-	1	-	-	27	9
Arizona-----	3	-	50	113	2	-	1	-	-	1	28	6
Utah-----	-	1	31	172	-	-	-	-	-	-	13	27
Nevada-----	-	-	4	32	-	-	-	-	-	-	-	2
PACIFIC-----	20	73	708	2,134	12	24	8	47	2	2	175	80
Washington-----	1	3	13	151	1	2	-	1	-	-	57	27
Oregon-----	-	8	37	137	-	2	-	4	-	-	43	7
California-----	19	62	658	1,846	11	20	8	42	2	2	75	46
Alaska-----	-	-	3	12	-	-	-	-	-	-	5	66
Hawaii-----	1	-	9	63	1	-	-	-	-	-	-	165
Puerto Rico-----	1	2	31	46	1	2	-	-	-	-	42	73

<sup>1</sup>Includes cases not specified by type, category number 080.3.

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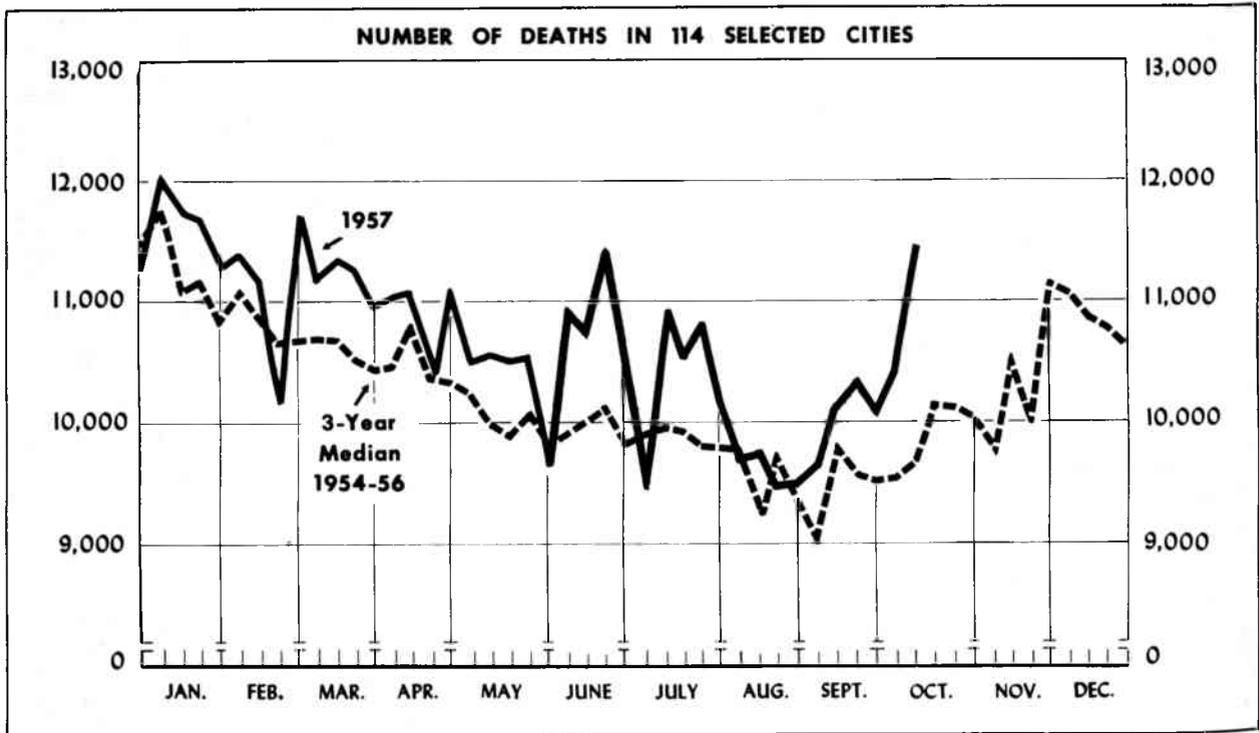
Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 13, 1956 AND OCTOBER 12, 1957—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MENINGOCOCCAL INFECTIONS		MENINGITIS, OTHER	PSITTACOSIS		TYPHOID FEVER 040				TYPHUS FEVER, ERUPTIVE	RABIES IN ANIMALS	
			340	096.2		41st week		Cumulative first 41 weeks		101		
	1957	1956	1957	1957	1956	1957	1956	1957	1956	1957	1957	1956
CONT. UNITED STATES-----	51	34	41	1	16	48	30	1,085	1,495	2	58	57
NEW ENGLAND-----												
Maine-----	3	1	2	-	-	1	1	22	50	-	-	-
New Hampshire-----	2	-	-	-	-	-	-	2	14	-	-	-
Vermont-----	-	-	-	-	-	-	-	2	-	-	-	-
Massachusetts-----	1	-	2	-	-	1	1	10	17	-	-	-
Rhode Island-----	-	1	-	-	-	-	-	5	6	-	-	-
Connecticut-----	-	-	-	-	-	-	-	3	12	-	-	-
MIDDLE ATLANTIC-----												
New York-----	7	6	-	-	-	5	4	115	187	-	2	5
New Jersey-----	5	4	-	-	-	1	1	49	55	-	2	3
Pennsylvania-----	2	2	-	-	-	4	1	19	29	-	-	-
EAST NORTH CENTRAL-----												
Ohio-----	11	8	10	-	-	19	5	159	205	-	7	6
Indiana-----	1	3	-	-	-	-	2	58	54	-	3	4
Illinois-----	1	1	-	-	-	18	-	58	26	-	1	2
Michigan-----	5	-	8	-	-	-	-	19	34	-	1	-
Wisconsin-----	5	3	2	-	-	1	3	12	49	-	-	-
WEST NORTH CENTRAL-----												
Minnesota-----	-	1	-	1	-	1	1	76	179	-	14	5
Iowa-----	2	-	-	1	-	-	-	5	37	-	9	4
Missouri-----	2	-	-	-	-	1	-	19	56	-	3	-
North Dakota-----	-	-	-	-	-	-	1	39	53	-	1	-
South Dakota-----	-	-	-	-	-	-	-	1	6	-	-	-
Nebraska-----	-	-	-	-	-	-	-	6	3	-	-	-
Kansas-----	-	-	-	-	-	-	-	12	12	-	-	1
SOUTH ATLANTIC-----												
Delaware-----	7	4	11	-	-	4	7	203	238	2	12	18
Maryland-----	-	-	2	-	-	-	-	1	3	-	-	-
District of Columbia-----	-	1	1	-	-	-	-	9	17	-	-	-
Virginia-----	1	1	7	-	-	1	3	8	12	-	-	-
West Virginia-----	1	1	-	-	-	-	-	38	47	-	4	5
North Carolina-----	-	-	-	-	-	-	-	46	22	-	1	2
South Carolina-----	3	-	-	-	-	-	-	13	25	-	-	-
Georgia-----	1	-	-	-	-	3	-	20	25	1	4	5
Florida-----	2	1	1	-	-	-	-	29	47	-	3	4
EAST SOUTH CENTRAL-----												
Kentucky-----	-	-	-	-	1	4	4	59	40	1	-	2
Tennessee-----	4	10	7	-	-	-	-	163	192	-	15	10
Alabama-----	1	2	1	-	-	-	2	53	40	-	13	4
Mississippi-----	1	3	5	-	-	-	1	64	69	-	-	2
WEST SOUTH CENTRAL-----												
Arkansas-----	2	2	1	-	1	4	-	12	23	-	1	4
Louisiana-----	9	2	7	-	11	8	5	34	60	-	1	-
Oklahoma-----	-	1	-	-	-	2	3	26	42	-	-	-
Texas-----	3	-	3	-	-	2	-	51	40	-	2	2
MOUNTAIN-----												
Montana-----	6	1	4	-	11	2	1	26	42	-	-	-
Idaho-----	1	-	2	-	2	1	2	110	137	-	5	-
Wyoming-----	-	-	-	-	-	-	-	3	3	-	-	-
Colorado-----	-	-	-	-	2	-	-	4	3	-	-	-
New Mexico-----	1	-	2	-	-	-	1	2	2	-	-	-
Arizona-----	-	-	-	-	-	-	-	11	16	-	1	-
Utah-----	-	-	-	-	-	1	-	17	17	-	-	-
Nevada-----	-	-	-	-	-	-	1	7	21	-	-	-
PACIFIC-----												
Washington-----	1	-	-	-	-	-	-	1	1	-	-	-
Oregon-----	7	2	2	-	2	5	1	76	97	-	1	5
California-----	2	-	1	-	-	-	-	3	2	-	-	-
Alaska-----	1	-	-	-	-	-	-	5	11	-	-	-
Hawaii-----	4	2	-	-	2	5	1	68	84	-	1	5
Puerto Rico-----	-	-	1	-	-	-	-	1	1	-	-	-
	-	-	-	-	-	-	-	4	-	-	-	-
	-	-	-	-	-	6	-	15	68	-	-	-

Symbol .- 1 dash [-]: no cases reported.

## Morbidity and Mortality Weekly Report



The chart shows the number of deaths reported for 114 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the

interval between death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city with a weekly average of 50 deaths, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ( $d \pm 2\sqrt{d}$ , where  $d$  represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

**Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS**

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	41st week ended Oct. 12, 1957	40th week ended Oct. 5, 1957	41st week median 1954-56	Percent change, median to current week	CUMULATIVE NUMBER FIRST 41 WEEKS		
					1957	1956	Percent change
TOTAL: 112 REPORTING CITIES-----	11,401	10,406	9,560	+19.0	436,634	423,799	+3.0
New England----- (14 cities)	672	674	674	-0.3	28,195	27,462	+2.7
Middle Atlantic----- (19 cities)	3,378	2,963	2,831	+19.3	125,651	123,478	+1.8
East North Central----- (18 cities)	2,563	2,352	2,128	+20.4	93,757	91,486	+2.5
West North Central----- (9 cities)	809	697	667	+21.3	31,229	30,023	+4.0
South Atlantic----- (11 cities)	964	904	796	+21.1	36,900	35,764	+3.2
East South Central----- (8 cities)	479	489	440	+8.9	19,711	19,320	+2.0
West South Central----- (13 cities)	898	916	706	+27.2	36,830	34,382	+7.1
Mountain----- (8 cities)	304	257	227	+33.9	11,024	9,985	+10.4
Pacific----- (12 cities)	1,334	1,154	1,091	+22.3	53,337	51,899	+2.8

# Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence, and week of filing certificate. Excludes fetal deaths)

AREA	41st week ended Oct. 12, 1957	40th week ended Oct. 5, 1957	CUMULATIVE NUMBER FIRST 41 WEEKS		AREA	41st week ended Oct. 12, 1957	40th week ended Oct. 5, 1957	CUMULATIVE NUMBER FIRST 41 WEEKS	
			1957	1956				1957	1956
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston, Mass.-----	221	231	9,529	9,265	St. Louis, Mo.-----	305	166	9,675	9,435
Bridgeport, Conn.-----	34	41	1,526	1,514	St. Paul, Minn.-----	59	53	2,673	2,689
Cambridge, Mass.-----	23	19	1,200	1,196	Wichita, Kans.-----	55	39	1,802	1,669
Fall River, Mass.-----	32	28	1,110	1,110	SOUTH ATLANTIC				
Hartford, Conn.-----	45	60	2,005	1,933	Atlanta, Ga.-----	120	119	4,412	4,429
Lowell, Mass.-----	26	23	1,134	966	Baltimore, Md.-----	238	237	9,672	9,400
Lynn, Mass.-----	28	23	852	844	Charlotte, N. C.-----	37	46	1,352	1,264
New Bedford, Mass.-----	33	20	988	922	Jacksonville, Fla.-----	53	47	2,195	2,073
New Haven, Conn.-----	42	43	1,873	1,844	Miami, Fla.-----	67	56	2,057	2,049
Providence, R. I.-----	57	63	2,507	2,530	Norfolk, Va.-----	35	29	1,454	1,322
Somerville, Mass.-----	13	8	543	630	Norfolk, Va.-----	35	29	1,454	1,322
Springfield, Mass.-----	39	44	1,704	1,673	Richmond, Va.-----	80	64	3,038	2,860
Waterbury, Conn.-----	24	23	1,026	1,021	Savannah, Ga.-----	36	31	1,206	1,154
Worcester, Mass.-----	55	48	2,198	2,014	Tampa, Fla.-----	52	61	2,501	2,369
MIDDLE ATLANTIC					Washington, D. C.-----	208	172	7,521	7,436
Albany, N. Y.-----	45	44	1,992	1,987	Wilmington, Del.-----	38	42	1,492	1,408
Allentown, Pa.-----	44	35	1,531	1,508	EAST SOUTH CENTRAL				
Buffalo, N. Y.-----	198	124	5,831	5,767	Birmingham, Ala.-----	68	94	3,206	3,105
Camden, N. J.-----	34	29	1,618	1,577	Chattanooga, Tenn.-----	35	46	1,871	1,713
Elizabeth, N. J.-----	23	27	1,148	1,129	Knoxville, Tenn.-----	27	29	1,106	1,375
Erie, Pa.-----	38	32	1,448	1,345	Louisville, Ky.-----	106	99	4,265	4,349
Jersey City, N. J.-----	72	56	2,758	2,858	Memphis, Tenn.-----	109	91	4,348	4,009
Newark, N. J.-----	137	94	4,179	3,897	Mobile, Ala.-----	48	47	1,461	1,389
New York City, N. Y.-----	1,810	1,622	64,310	63,087	Montgomery, Ala.-----	33	35	1,044	1,170
Paterson, N. J.-----	---	(53)	---	(1,490)	Nashville, Tenn.-----	53	48	2,390	2,210
Philadelphia, Pa.-----	439	409	19,505	19,363	WEST SOUTH CENTRAL				
Pittsburgh, Pa.-----	195	167	7,331	7,377	Austin, Tex.-----	23	20	1,188	1,125
Reading, Pa.-----	20	22	943	876	Baton Rouge, La.-----	19	29	1,001	900
Rochester, N. Y.-----	115	100	3,936	3,842	Corpus Christi, Tex.-----	21	16	853	799
Schenectady, N. Y.-----	18	17	950	899	Dallas, Tex.-----	110	107	4,440	4,354
Scranton, Pa.-----	39	35	1,513	1,391	El Paso, Tex.-----	41	43	1,286	1,108
Syracuse, N. Y.-----	43	55	2,360	2,366	Fort Worth, Tex.-----	71	63	2,538	2,385
Trenton, N. J.-----	42	41	1,819	1,778	Houston, Tex.-----	151	157	6,119	5,485
Utica, N. Y.-----	27	37	1,276	1,227	Little Rock, Ark.-----	39	50	2,156	1,906
Yonkers, N. Y.-----	39	17	1,203	1,204	New Orleans, La.-----	163	165	7,063	6,462
EAST NORTH CENTRAL					Oklahoma City, Okla.-----	61	60	2,513	2,556
Akron, Ohio-----	60	65	2,200	2,110	San Antonio, Tex.-----	98	103	3,882	3,578
Canton, Ohio-----	31	36	1,258	1,131	Shreveport, La.-----	49	48	1,893	1,851
Chicago, Ill.-----	850	792	30,644	29,797	Tulsa, Okla.-----	52	55	1,898	1,873
Cincinnati, Ohio-----	152	148	6,147	6,170	MOUNTAIN				
Cleveland, Ohio-----	217	196	8,410	8,311	Albuquerque, N. Mex.-----	15	26	1,042	924
Columbus, Ohio-----	110	107	4,556	4,332	Colorado Springs, Colo.-----	20	9	554	536
Dayton, Ohio-----	82	62	2,902	2,657	Denver, Colo.-----	122	103	4,509	4,414
Detroit, Mich.-----	380	309	13,167	12,981	Ogden, Utah-----	22	10	511	505
Evansville, Ind.-----	32	33	1,282	1,351	Phoenix, Ariz.-----	43	34	1,250	1,045
Flint, Mich.-----	34	42	1,509	1,564	Pueblo, Colo.-----	10	9	521	499
Fort Wayne, Ind.-----	44	36	1,456	1,442	Salt Lake City, Utah-----	58	51	1,813	1,812
Gary, Ind.-----	---	(23)	---	(1,157)	Tucson, Ariz.-----	14	15	824	250
Grand Rapids, Mich.-----	45	37	1,654	1,680	PACIFIC				
Indianapolis, Ind.-----	151	127	4,857	4,709	Berkeley, Calif.-----	28	23	789	673
Milwaukee, Wis.-----	142	140	5,324	5,056	Long Beach, Calif.-----	55	51	2,196	2,131
Peoria, Ill.-----	44	38	1,204	1,184	Los Angeles, Calif.-----	493	352	19,216	18,936
South Bend, Ind.-----	26	34	1,073	986	Oakland, Calif.-----	112	95	3,870	3,690
Toledo, Ohio-----	91	102	3,878	3,797	Pasadena, Calif.-----	27	37	1,441	1,424
Youngstown, Ohio-----	72	48	2,236	2,228	Portland, Oreg.-----	105	95	3,939	3,852
WEST NORTH CENTRAL					Sacramento, Calif.-----	43	58	2,076	1,940
Des Moines, Iowa-----	50	63	2,215	2,035	San Diego, Calif.-----	80	54	3,223	3,024
Duluth, Minn.-----	25	29	1,062	1,067	San Francisco, Calif.-----	186	196	7,815	7,721
Kansas City, Kans.-----	27	22	1,184	1,253	Seattle, Wash.-----	121	120	5,325	5,100
Kansas City, Mo.-----	100	120	4,779	4,412	Spokane, Wash.-----	45	32	1,856	1,863
Minneapolis, Minn.-----	127	146	5,075	4,818	Tacoma, Wash.-----	39	41	1,591	1,543
Omaha, Nebr.-----	61	59	2,764	2,645	Honolulu, Hawaii-----	(40)	(34)	(1,570)	(1,412)

Symbols.—parentheses ( ) : data not included in table 3; 3 dashes [---] : data not available.

# Morbidity and Mortality Weekly Report

## QUARANTINE MEASURES

### Immunization Information for International Travel Public Health Service Publication No. 384

The following name should be added to the list of Designated Yellow Fever Vaccination Centers, Section 6:

<u>Center</u>	<u>Clinic hours</u>	<u>Fee</u>
Petty Geophysical Company Clinic, 1014 Medical Arts Building, 705 E. Houston Street, San Antonio, Texas Tel: Capitol 2-1751	Thursday, 3 p.m.	Yes

## SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and of Alaska, Hawaii, and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting on these diseases. In addition, when diseases of rare occurrence (cholera, dengue, plague, louse-borne relapsing fever, smallpox, louse-borne epidemic typhus, and yellow fever) are reported, this will be noted at the end of table 1.

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